

**SITE-SPECIFIC FIELD SAMPLING PLAN**  
**WILLOW STREET/HAWTHORNE AVENUE STATION OPERABLE UNIT**

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\* - See Multi-Site FSP, Rev 4, September 8, 2008

## **ACRONYMS**

Acronyms used in the Multi-Site Field Sampling Plan.

°C	Degrees Celsius
°F	Degrees Fahrenheit
µm	Micrometer / Micron
µmhos/cm	Micromhos Per Centimeter
AOC	Administrative Order on Consent
ASTM	ASTM International (fka American Society for Testing and Materials)
AVS SEM	Acid Volatile Sulfides-Simultaneously Extracted Metals
BERA	Baseline Ecological Risk Assessment
bgs	Below Ground Surface
BTEX	Benzene, Toluene, Ethylbenzene, and Xylenes
CA	Cost Analysis
cm	Centimeter
COC	Chain-of-Custody
COPC	Constituents of Potential Concern
CPT	Cone Penetrometer Technology
CSM	Conceptual Site Model
DET	Diffusion Equilibration in Thin Films
DNAPL	Dense Non-Aqueous Phase Liquid
DQO	Data Quality Objective
DPT	Direct Push Technologies
EE	Engineering Evaluation
ESB	Equilibrium Partitioning Sediment Benchmark
eV	Electron Volt
EZ	Exclusion Zone
FAM	Field Analytical Method
FEMA	Federal Emergency Management Agency
FOP	Field Operating Procedures
FSP	Field Sampling Plan
GPS	Global Positioning System
GW/SW	Groundwater / Surface Water Interface
HSA	Hollow Stem Augers
HAZWOPER	Hazardous Waste Operations and Emergency Response
HASP	Health and Safety Plan
HDPE	High-Density Polyethylene

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## **ACRONYMS (CONT'D)**

ID	Inside Diameter
IDW	Investigative Derived Wastes
Illinois EPA	Illinois Environmental Protection Agency
ITRC	Interstate Technology and Regulatory Council
LDPE	Low-Density Polyethylene
LIF	Laser Induced Fluorescence
LNAPL	Light Non-Aqueous Phase Liquid
m	Meter
MGP	Manufactured Gas Plant
mg/L	Milligrams per Liter
MIP	Membrane Interface Probe
mL	Milliliter
mL/min	Milliliters Per Minute
MS/MSD	Matrix Spike/Matrix Spike Duplicate
mV	Millivolts
NAPL	Non-Aqueous Phase Liquid
NAVD88	North American Vertical Datum of 1988
NTU	Nephelometric Turbidity Unit
OD	Outside Diameter
ORP	Oxidation / Reduction Potential
OSHA	Occupational Safety and Health Administration
OSWER	Office of Solid Waste and Emergency Response
PAHs	Polynuclear aromatic hydrocarbons
PCB	Polychlorinated Biphenyl
PDB	Polyethylene Diffusion Bag
PID	Photoionization Detector
POTW	Publicly-Owned Treatment Works
PPE	Personal Protective Equipment
ppm	Parts Per Million
PQLs	Project Quantitation Limits
PVC	Polyvinyl Chloride
PVD	Passive-Vapor-Diffusion
PVOC	Petroleum Volatile Organic Compound
QA	Quality Assurance
QA/QC	Quality Assurance/Quality Control
QAM	Quality Assurance Manual
QAPP	Quality Assurance Project Plan



## **ACRONYMS (CONT'D)**

QC	Quality Control
RAF	Risk Assessment Framework
RBP	Rapid Bioassessment Protocols
RI/FS	Remedial Investigations and Feasibility Studies
ROST	Rapid Optical Screening Tool
Settlement Agreement	Settlement Agreement and Administrative Order on Consent
SI	Site Investigation
SIM	Selected Ion Monitoring
SLERA	Screening Level Ecological Risk Assessment
SOP	Standard Operating Procedure
SSA	Solid Stem Auger
SOW	Statement of Work
SPE	Solid-Phase Extraction
SPP	Systematic Planning Process
SSWP	Site-Specific Work Plan
TarGOST	Tar-specific Green Optical Screening Tool
TOC	Total Organic Carbon
USCS	United Soil Classification System
USDOE	United States Department of Energy
USGS	United States Geological Survey
USEPA	United States Environmental Protection Agency
UVOST	Ultra-Violet Optical Screening Tool
VOA	Volatile Organic Analyte
VOC	Volatile Organic Compounds

# **1 INTRODUCTION**

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## **1.1 Background**

This Site-Specific Field Sampling Plan (FSP) was prepared in accordance with the Statement of Work (SOW) attached to the Settlement Agreement and Administrative Order on Consent (AOC) between the United States Environmental Protection Agency (USEPA) and The Peoples Gas Light and Coke Company (Peoples Gas), CERCLA Docket No. V-W-'08-C-917, effective October 31, 2008. The AOC/SOW addresses four former Manufactured Gas Plant (MGP) Sites operated by Peoples Gas and specifies that Remedial Investigations and Feasibility Studies (RI/FSs) be conducted on these Sites. The North Branch Site includes the Willow Street/Hawthorne Avenue Station Operable Unit (OU), the North Station OU and the Division Street Station OU. Each of the three OUs includes the portion of the North Branch of the Chicago River (the River) that is adjacent to the respective upland portion of the OU.

This Site-Specific FSP addresses the Willow Street/Hawthorne Avenue Station OU of the North Branch Site. The Division Street Station OU includes the land and the adjacent river area (ARA).

Integrus Business Support, LLC (IBS) is managing the work in the AOC/SOW on behalf of Peoples Gas. Unless specifically noted, the relevant sections of the Multi-Site FSP Rev 4, dated September 8, 2008 will be used while implementing the Site-Specific Work Plan (SSWP) at the Division Street Station OU. This Site-Specific FSP references the Multi-Site FSP sections that do not require Site-Specific elements.

## **1.2 Sampling Objectives**

See Multi-Site FSP, Rev 4, September 8, 2008.

## **1.3 Site-Specific Work Plans**

### **1.3.1 Technical Approach**

The approach to determine sample locations, types, frequencies, collection methods and field analysis is discussed in Sections 4 and 6 of the SSWP and is also presented in Tables 1, 2 and 3 of the SSWP. Section 6 and of the SSWP and Tables 1, 2 and 3 also detail the decision process and site knowledge that will be utilized on a real-time basis to determine sample type, location, frequency, and constituents. Figures 9, 10 and 11 of the SSWP depict the proposed sampling locations on the land, within the ARA and in the River upstream of the North Branch Site, respectively. Maps depicting previously sampled media and locations are presented in the SSWP and in other referenced documents. Figure 11 will also be relevant to the other two OUs within the North Branch Site.

#### **1.3.1.1 Soil Sampling**

In the case of soil, borings will be continuously sampled and a sample will be selected for chemical analyses based on the presence of impacts identified by PID readings, odors or visual observation. If no impacts are encountered and recovery is sufficient, a sample will be selected for analyses based on a random sample scheme developed for the OU, splitting up the sample depth into 1 foot increments.

Borings will generally be advanced a minimum of 15 feet below ground surface (bgs). Borings that are at least 15 feet deep and are advanced a minimum of 4 feet into native silty clay or clay can be terminated, unless additional advancement is necessary for delineation purposes. For example, if impacts were encountered inward at a depth of 30 feet bgs and a step out boring is advanced to confirm lateral extent, the step out boring must be advanced at least 30 feet bgs as well.

Optional borings will be advanced when initial borings do not fully characterize the extent of impacts.

#### **1.3.1.2 Soil Gas Sampling**

In the case of soil gas, the locations of the probes will be determined in the field, based on impacts identified during soil and/or groundwater monitoring well installation. Optional soil gas probes will be installed if soil impacts are identified while advancing initial soil gas probes. The depth of probes will be

to near the surface of the water table. Depending on the depth to the water table, two probes and two soil samples will be collected; one near the water table and another half way up to grade. If probes are installed in buildings, a sub slab sample will also be collected.

If no impacts to soil or groundwater are identified in the field, soil and/or groundwater samples must be analyzed prior to locating or installing any soil gas probes. This case would involve a separate sampling event.

#### **1.3.1.3 Groundwater**

Groundwater monitoring wells are proposed to be installed in various locations. If groundwater is not encountered during soil boring advancement in a specific location, an off set will be attempted. If no water is present, some well locations may be cancelled.

Contingent well locations will be installed either to replace poor yield locations or to further define impacts. Perched water may be encountered and insufficient water may be present in this area of Chicago.

#### **1.3.1.4 Surface Water**

Surface water sampling will be conducted in accordance with Section 6.6 of the SSWP.

#### **1.3.1.5 Sediment**

Sediment sampling and the dynamic process are described in Section 6.6 of the SSWP.

### **1.3.2 Project Personnel**

Figure 2 of this Site-Specific FSP presents technical team strategy and the key project staff responsible for project planning, data and decision quality and final work products, consistent with the Multi-Site Quality Assurance Project Plan (QAPP), Rev 2, dated September 4, 2007 (Integrays 2007) and as modified in the Site-Specific QAPP. The Site-Specific QAPP is contained in an appendix to the SSWP.

### **1.3.3 Subcontractors**

A list of subcontracted services will be provided to USEPA for review prior to initiating field work, in accordance with the AOC/SOW.

### **1.3.4 Communication Strategy**

Section 5.3 of the SSWP provides the site-specific communication strategy, and identifies project communication flow, frequency and documentation requirements between potentially responsible parties/responsible parties, regulators, project managers, field personnel, contractors and others.

### **1.3.5 Decision-Making Processes**

The decision-making process for field activities is provided in Section 6 and Tables 2 and 3 of the SSWP, in Section 1.3.1 of this Site-Specific FSP.

### **1.3.6 Data Exchange**

Section 6 and Tables 2 and 3 of the SSWP describes the data required to make field decisions. Analytical data reports will be provided to USEPA in an electronic format in accordance with the Multi-Site QAPP (Integrays 2007c). Data will be provided in the form of a monthly progress report submitted on the 15<sup>th</sup> day of each month, provided it has been validated. Data may also be provided in figures and tables for submittal with the progress report. The usability of previously collected data will be evaluated according to criteria specified in the Site-Specific QAPP. The Site-Specific Conceptual Site Model (CSM) will be refined as investigation data is generated and used to facilitate the RI. The RI Report will be submitted in accordance with the Project Schedule presented in Figure 12 of the SSWP and discussed in Section 9 of the SSWP.

## **2 SAMPLE LOCATIONS**

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See Multi-Site FSP, Rev 4, September 8, 2008.

## **3 FIELD MOBILIZATION AND SITE ACCESS**

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See Multi-Site FSP, Rev 4, September 8, 2008.

### **3.1 Site Access**

See Multi-Site FSP, Rev 4, September 8, 2008.

### **3.2 Mobilization Activities**

See Multi-Site FSP, Rev 4, September 8, 2008.

### **3.3 Site Safety**

See Multi-Site FSP, Rev 4, September 8, 2008.

### **3.4 Demobilization Activities**

See Multi-Site FSP, Rev 4, September 8, 2008.

## **4 DATA COLLECTION PROCEDURES**

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### **4.1 Field Standard Operating Procedures**

See Multi-Site FSP, Rev 4, September 8, 2008.

### **4.2 Soil Sampling**

See Multi-Site FSP, Rev 4, September 8, 2008.

#### **4.2.1 Data Uses**

Soil data will be collected from various depth intervals. Results from samples collected from the ground surface to 10 feet below ground surface (bgs) may be used to support the human health dermal and inhalation exposure routes, depending on the location of sampling. Deeper subsurface soil samples may be collected to evaluate the vertical extent of MGP residuals, to support a random sampling scheme if no impacts are observed or to evaluate remedial alternatives, if required.

#### **4.2.2 Surface Soil Samples**

Surface soil samples will be collected from 0 to 2 feet bgs on the ComEd and Marcey Parcels. Surface soil was previously removed on the General Iron, Finkl, Peoples Gas and Marcey West Parcels.

#### **4.2.3 Subsurface Soil Samples**

Subsurface soil is defined as soil at depths greater than 2 feet bgs. Samples will be collected as described in Sections 4 and 6 and Table 2 and 3 of the SSWP. A guidance document for describing coal tar contamination in soil is included in Appendix D of the SSWP.



#### **4.2.4 Test Pits**

No test pits are planned as part of the SSWP.

#### **4.2.5 Soil Borings**

See Multi-Site FSP, Rev 4, September 8, 2008.

#### **4.2.6 Subsurface Probes**

No subsurface probes are planned as part of the SSWP.

##### **4.2.6.1 Conductivity Probe**

No conductivity probes are planned as part of the SSWP.

##### **4.2.6.2 Cone Penetrometer**

No cone penetrometer probes are planned as part of the SSWP.

##### **4.2.6.3 Laser Induced Fluorescence**

No laser induced fluorescence (LIF) probes are planned as part of the SSWP.

##### **4.2.6.4 In-Situ Camera**

No in-situ camera probes are planned as part of the SSWP.

##### **4.2.6.5 Membrane Interface Probe**

No membrane interface probes (MIPs) are planned as part of the SSWP.

#### **4.2.7 Borehole Abandonment**

Boreholes will be abandoned in accordance with 77 Illinois Administrative Code (IAC) Part 920.120.

## **4.3 Geophysical Methods**

### **4.3.1 Overview**

Geophysical data will be collected as part of the SSWP for sediment samples.

### **4.3.2 Upland Applications**

No Upland geophysical data will be collected as part of the SSWP.

### **4.3.3 Sediment Applications**

See Multi-Site FSP, Rev 4, September 8, 2008.

### **4.3.4 Base Mapping and Survey Control**

See Multi-Site FSP, Rev 4, September 8, 2008.

## **4.4 Groundwater Sampling**

### **4.4.1 Overview**

See Multi-Site FSP, Rev 4, September 8, 2008.

### **4.4.2 Data Uses**

Groundwater data will be collected to support the evaluation of human health dermal and ingestion exposure routes. Groundwater data will also be collected to evaluate groundwater quality at the surface water interface and to evaluate related vapor intrusion potential, if impacts are present.

#### **4.4.3 Water Level Elevation Readings**

See Multi-Site FSP, Rev 4, September 8, 2008.

#### **4.4.4 Groundwater Grab Samples**

No groundwater grab samples are planned as part of the SSWP.

##### **4.4.4.1 *HydroPunch® Small Diameter Telescoping Screen***

No groundwater grab samples are planned as part of the SSWP.

##### **4.4.4.2 *Geoprobe® Groundwater Sampling Systems***

No groundwater grab samples are planned as part of the SSWP.

##### **4.4.4.3 *Screen Point 15/Groundwater Sampling System***

No groundwater grab samples are planned as part of the SSWP.

##### **4.4.4.4 *Groundwater Profiler***

No groundwater grab samples are planned as part of the SSWP.

##### **4.4.4.5 *Membrane Interface Probe (MIP)***

No groundwater grab samples are planned as part of the SSWP.

##### **4.4.4.6 *Drive-Point Profiler®***

No groundwater grab samples are planned as part of the SSWP.

##### **4.4.4.7 *BAT® GMS Sampling***

No groundwater grab samples are planned as part of the SSWP.

#### **4.4.5 Monitoring Wells**

##### **4.4.5.1 Well Placement**

See Multi-Site FSP, Rev 4, September 8, 2008.

##### **4.4.5.2 Well Screen Placement**

See Multi-Site FSP, Rev 4, September 8, 2008.

##### **4.4.5.3 Temporary Monitoring Wells**

No temporary monitoring wells are planned as part of the SSWP.

##### **4.4.5.4 Small-Diameter Prepacked Monitoring Wells**

No prepacked monitoring wells are planned as part of the SSWP.

##### **4.4.5.5 Large-Diameter Monitoring Wells**

###### **4.4.5.5.1 Well Borehole**

See Multi-Site FSP, Rev 4, September 8, 2008.

###### **4.4.5.5.2 Large-Diameter Monitoring Well Construction**

See Multi-Site FSP, Rev 4, September 8, 2008.

#### **4.4.6 Monitoring Well Development**

See Multi-Site FSP, Rev 4, September 8, 2008.

#### **4.4.7 Monitoring Well Groundwater Sampling**

See Multi-Site FSP, Rev 4, September 8, 2008.

#### **4.4.7.1 Purging**

See Multi-Site FSP, Rev 4, September 8, 2008.

#### **4.4.7.2 Sample Collection**

See Multi-Site FSP, Rev 4, September 8, 2008.

##### **4.4.7.2.1 Bailer Sampling**

Bailer sampling is not planned as part of the SSWP.

##### **4.4.7.2.2 Low-Flow Sampling**

See Multi-Site FSP, Rev 4, September 8, 2008.

##### **4.4.7.2.3 Diffusion Sampling**

Diffusion sampling is not planned as part of the SSWP.

#### **4.4.8 Potable Wells**

No potable well samples are planned as part of the SSWP.

#### **4.4.9 Aquifer Characterization**

See Multi-Site FSP, Rev 4, September 8, 2008.

##### **4.4.9.1 Single Well Tests**

See Multi-Site FSP, Rev 4, September 8, 2008.

##### **4.4.9.2 Pneumatic Slug Test Kit**

See Multi-Site FSP, Rev 4, September 8, 2008.

#### **4.4.9.3 Multiple Well Tests**

See Multi-Site FSP, Rev 4, September 8, 2008.

#### **4.4.9.4 Controlled Pumping Tests**

See Multi-Site FSP, Rev 4, September 8, 2008.

#### **4.4.10 Monitoring Well Abandonment**

See Multi-Site FSP, Rev 4, September 8, 2008.

### **4.5 Groundwater / Surface Water Dynamic Evaluation**

No groundwater/surface water (gw/sw) dynamic evaluations are planned as part of the SSWP.

#### **4.5.1 Direct Pore Water Sampling**

No groundwater/surface water dynamic evaluations are planned as part of the SSWP.

#### **4.5.2 Indirect Pore Water Samplers**

No groundwater/surface water dynamic evaluations are planned as part of the SSWP.

#### **4.5.3 Pore Water Sampling Summary**

No groundwater/surface water dynamic evaluations are planned as part of the SSWP.

### **4.6 Surface Water Monitoring**

#### **4.6.1 Surface Water Sampling**

See Multi-Site FSP, Rev 4, September 8, 2008.

#### **4.6.1.1    *Ecological Risk Assessment Samples***

See Multi-Site FSP, Rev 4, September 8, 2008.

#### **4.6.1.2    *Human Health Risk Assessment Samples***

See Multi-Site FSP, Rev 4, September 8, 2008.

### **4.6.2       River Hydrology**

See Multi-Site FSP, Rev 4, September 8, 2008.

## **4.7    Sediment Sampling**

### **4.7.1       Overview**

See Multi-Site FSP, Rev 4, September 8, 2008.

### **4.7.2       Sediment Sampling Locations**

See Multi-Site FSP, Rev 4, September 8, 2008.

### **4.7.3       Sediment Data Uses**

See Multi-Site FSP, Rev 4, September 8, 2008.

#### **4.7.3.1    *Screening Level Ecological Risk Assessment (SLERA) and Baseline Ecological Risk Assessment (BERA)***

See Multi-Site FSP, Rev 4, September 8, 2008.

#### **4.7.3.2    *Bioavailability Samples***

See Multi-Site FSP, Rev 4, September 8, 2008.

#### **4.7.3.3    *Benthic Community Investigation***

See Multi-Site FSP, Rev 4, September 8, 2008.

#### **4.7.3.4    *Sediment Toxicity Testing***

See Multi-Site FSP, Rev 4, September 8, 2008.

#### **4.7.3.5    *Human Health Risk Assessment***

See Multi-Site FSP, Rev 4, September 8, 2008.

#### **4.7.4       *Delineation Sediment Sampling***

See Multi-Site FSP, Rev 4, September 8, 2008.

#### **4.7.5       *Sediment Stability and Contaminant Fate and Transport***

See Multi-Site FSP, Rev 4, September 8, 2008.

#### **4.7.6       *Geotechnical and Waste Characterization Sampling***

See Multi-Site FSP, Rev 4, September 8, 2008.

#### **4.7.7       *Sediment Collection Devices and Methods***

See Multi-Site FSP, Rev 4, September 8, 2008.

##### **4.7.7.1    *Surficial Sediment Collection and Processing***

See Multi-Site FSP, Rev 4, September 8, 2008.

##### **4.7.7.2    *Coring Devices***

See Multi-Site FSP, Rev 4, September 8, 2008.



#### **4.7.7.3    *Hand or Push Core Sampling and Processing***

See Multi-Site FSP, Rev 4, September 8, 2008.

#### **4.7.7.4    *Vibracore Sampling and Processing***

See Multi-Site FSP, Rev 4, September 8, 2008.

#### **4.7.7.5    *Support Sediment Sampling Equipment***

See Multi-Site FSP, Rev 4, September 8, 2008.

### **4.7.8        *In-Situ Field Screening Methods***

See Multi-Site FSP, Rev 4, September 8, 2008.

#### **4.7.8.1    *Laser Induced Fluorescence (LIF) Screening Methods***

LIF screening is not planned as part of the SSWP.

#### **4.7.8.2    *DART Method***

DART screening is not planned as part of the SSWP.

### **4.7.9        *Sediment Poling***

See Multi-Site FSP, Rev 4, September 8, 2008.

## **4.8        *Soil Vapor Assessment***

### **4.8.1        *Overview***

See Multi-Site FSP, Rev 4, September 8, 2008.

#### **4.8.2 Data Uses**

See Multi-Site FSP, Rev 4, September 8, 2008.

#### **4.8.3 Soil Vapor Methodology and Analysis**

See Multi-Site FSP, Rev 4, September 8, 2008.

### **4.9 Field Documentation**

#### **4.9.1.1 *Field Data Recording***

See Multi-Site FSP, Rev 4, September 8, 2008.

#### **4.9.1.2 *Data Tracking, Storage, and Retrieval***

See Multi-Site FSP, Rev 4, September 8, 2008.

#### **4.9.1.3 *Final Evidence Files***

See Multi-Site FSP, Rev 4, September 8, 2008.

## 5 SAMPLE HANDLING

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See Multi-Site FSP, Rev 4, September 8, 2008.

### 5.1.1 Sample Identification

Soil samples will be identified as follows:

WHS-SB117-001

WHS – Peoples Willow/Hawthorne

SB117 – Soil boring 117

001 – Primary soil sample from this soil boring

See Multi-Site FSP, Rev 4, September 8, 2008.

Groundwater samples will be identified as follows:

WHS-MW101-001

WHS – Peoples Willow/Hawthorne

MW101 – Monitoring well 101

001 – Primary groundwater sample from this monitoring well

Soil gas samples will be identified as follows:

WHS-SG001-4'-001

WHS – Peoples Willow/Hawthorne

SG001 – Soil gas location 001

4' – depth of gas vapor probe at 4'

001 – Primary groundwater sample from this monitoring well

Waste characterization samples will be identified as follows:

WHS-SWC01

WHS – Peoples Willow/Hawthorne

SWC01 – Soil waste characterization; first sample

Duplicate samples will be identified as follows:

Example: WHS-SB117-101

101 – Duplicate sample

WHS-RB01

WHS – Peoples Willow/Hawthorne

RB01 – Rinsate blank; first sample

Trip blank samples will be identified as follows:

WHS-TB01

WHS – Peoples Willow/Hawthorne

TB01 – Trip blank; first sample

For additional information see the Multi-Site FSP, Rev 4, September 8, 2008.

### **5.1.2 Sample Container, Volume, Preservation and Holding Times**

See Multi-Site FSP, Rev 4, September 8, 2008.

### **5.1.3 Field Sampling Quality Control**

See Multi-Site FSP, Rev 4, September 8, 2008.

### **5.1.4 Sample Custody**

See Multi-Site FSP, Rev 4, September 8, 2008.

### **5.1.5 Sample Shipping**

See Multi-Site FSP, Rev 4, September 8, 2008.

## **6 SAMPLE ANALYSIS**

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### **6.1.1 Previous Sampling and Analysis**

See Multi-Site FSP, Rev 4, September 8, 2008.

### **6.1.2 Chemical Analysis**

See Multi-Site FSP, Rev 4, September 8, 2008.

### **6.1.3 Field Based Analytical Method Selection Criteria**

See Multi-Site FSP, Rev 4, September 8, 2008.

### **6.1.4 Geotechnical Testing**

See Multi-Site FSP, Rev 4, September 8, 2008.

## **7 FIELD SURVEYING**

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### **7.1.1 Overview**

See Multi-Site FSP, Rev 4, September 8, 2008.

### **7.1.2 Horizontal and Vertical Control**

See Multi-Site FSP, Rev 4, September 8, 2008.

### **7.1.3 Data Acquisition**

See Multi-Site FSP, Rev 4, September 8, 2008.

### **7.1.4 Previously Obtained Survey Data**

See Multi-Site FSP, Rev 4, September 8, 2008.

## **8 DECONTAMINATION**

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### **8.1 Overview**

See Multi-Site FSP, Rev 4, September 8, 2008.

### **8.2 Decontamination of Personnel**

See Multi-Site FSP, Rev 4, September 8, 2008.

### **8.3 Decontamination of Equipment**

See Multi-Site FSP, Rev 4, September 8, 2008.

#### **8.3.1 Sampling Equipment**

See Multi-Site FSP, Rev 4, September 8, 2008.

#### **8.3.2 Tools**

See Multi-Site FSP, Rev 4, September 8, 2008.

#### **8.3.3 Heavy Equipment and Vehicles**

See Multi-Site FSP, Rev 4, September 8, 2008.

#### **8.3.4 Cleaning and Decontamination of Equipment/Sample Containers**

##### ***8.3.4.1 Equipment Decontamination***

See Multi-Site FSP, Rev 4, September 8, 2008.

#### **8.3.4.2    *Sample Container Decontamination***

See Multi-Site FSP, Rev 4, September 8, 2008.



## **9 MANAGEMENT OF INVESTIGATION DERIVED WASTES**

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See Multi-Site FSP, Rev 4, September 8, 2008.

### **9.1 Investigation Waste Sources**

See Multi-Site FSP, Rev 4, September 8, 2008.

### **9.2 Soil**

See Multi-Site FSP, Rev 4, September 8, 2008.

### **9.3 Well Development and Purge Water**

See Multi-Site FSP, Rev 4, September 8, 2008.

### **9.4 Decontamination Wastes**

See Multi-Site FSP, Rev 4, September 8, 2008.

### **9.5 Personal Protective Equipment**

See Multi-Site FSP, Rev 4, September 8, 2008.

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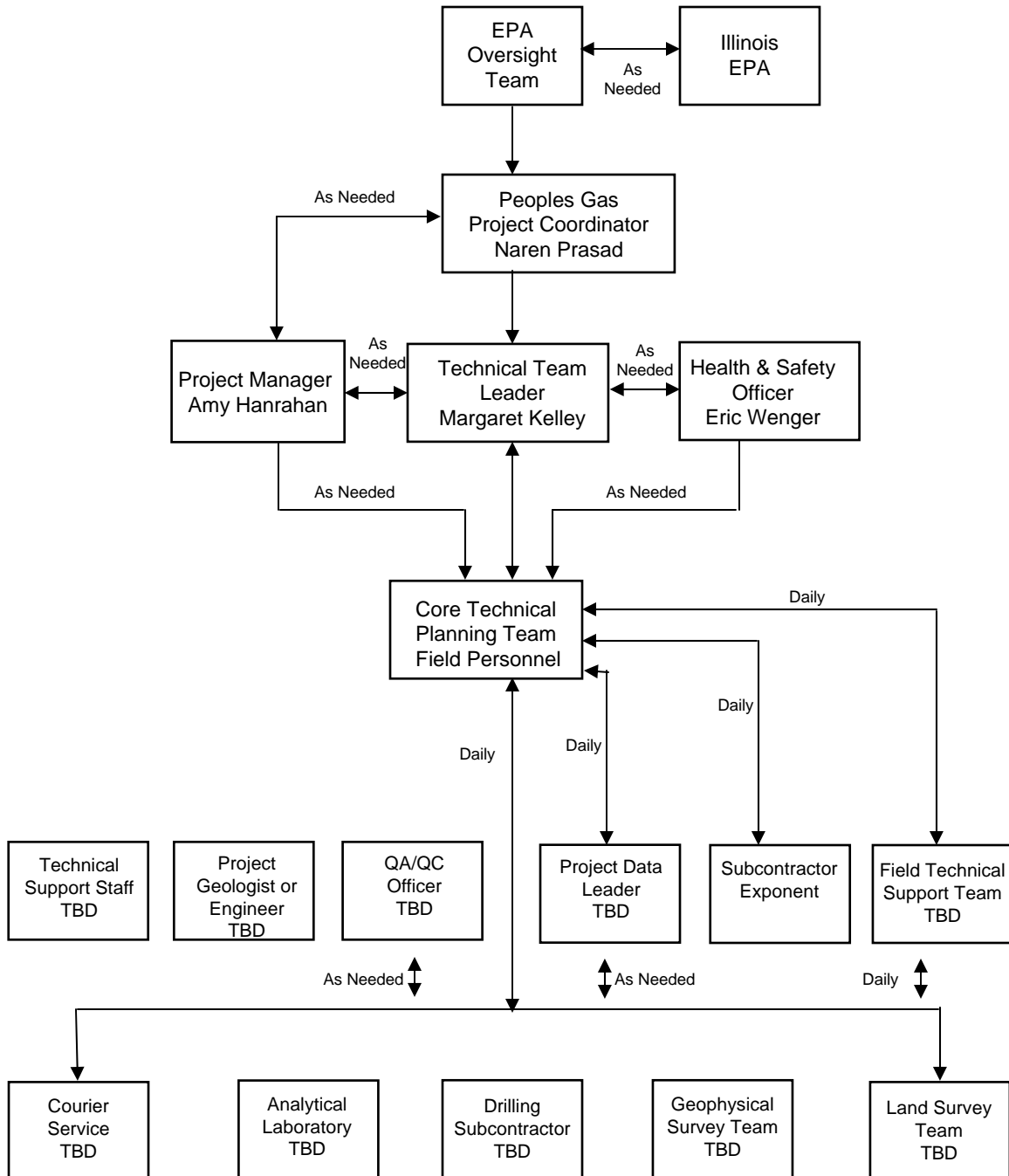
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# Appendix C-3

## Figure 2

### Technical Team Strategy

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TBD – To Be Determined